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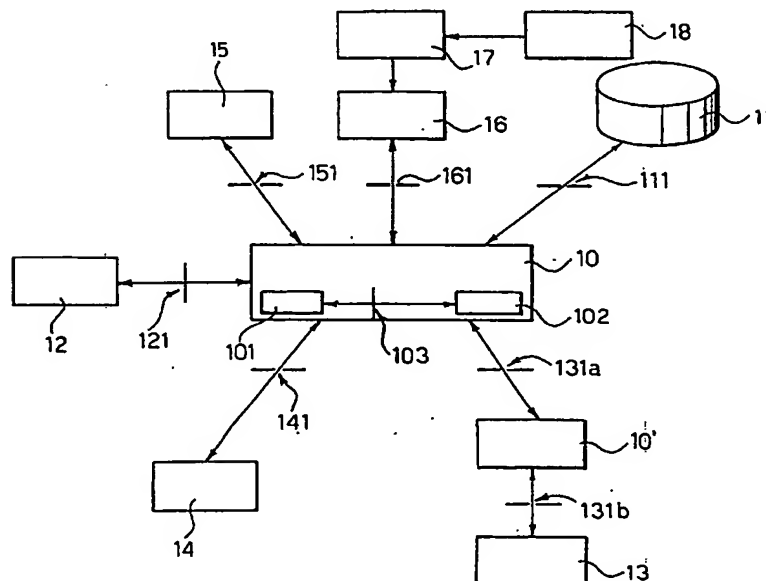
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR TRANSMITTING MESSAGES ON TELECOMMUNICATIONS NETWORK AND RELATED SENDER TERMINAL



(57) Abstract: The method comprises the steps of: - receiving (17) from a sender terminal (18) a text message, such as an SMS message, - integrating (16) said text message with a video content, to generate a multimedia message, and - transmitting (10) to at least a recipient terminal (12, 13, 14) said multimedia message in the form of an MMS message. The possible coexistence and interoperability of traditional mobile terminals (e.g. GSM) with new generation mobile terminals (e. g. UMTS) is thereby assured.

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- of inventorship (Rule 4.17(iv)) for US only

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/06 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 01 33781 A (NOKIA MOBILE PHONES LTD ;AHO OUTI (FI)) 10 May 2001 (2001-05-10)</p> <p>abstract page 2, line 16 -page 2, line 22 page 3, line 12 -page 3, line 30 page 4, line 1 -page 4, line 17 page 5, line 16 -page 5, line 30 page 8, line 1 -page 8, line 11 page 10, line 5 -page 10, line 15 page 10, line 30 -page 11, line 6 page 11, line 30 -page 12, line 17 page 16, line 14 -page 16, line 16 page 16, line 21 -page 16, line 36 page 17, line 28 -page 17, line 35 page 18, line 6 -page 18, line 19 claims 1,4-6,8.</p> <p style="text-align: center;">--- -/-</p>	<p>1-5,10, 11, 18-22, 29,32</p>

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☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NOVAK L ET AL: "MMS-BUILDING ON THE SUCCESS OF SMS" ON - ERICSSON REVIEW, ERICSSON. STOCKHOLM, SE, no. 3, 2001, pages 102-109, XP001081066 ISSN: 0014-0171 the whole document ---	1-5,10, 11, 18-22, 29,32
A	WO 02 49319 A (ROSENMANN ZVI ;SHAKED YOAV (IL); SHNEOR UZI (IL); XCITEL LTD (IL)) 20 June 2002 (2002-06-20) the whole document ---	1-36
A	WO 01 75805 A (FRANCINI GIANLUCA ;LANDE CLAUDIO (IT); QUAGLIA MAURO (IT); CSELT C) 11 October 2001 (2001-10-11) the whole document ---	1-36
A	EP 0 993 197 A (CSELT CENTRO STUDI LAB TELECOM) 12 April 2000 (2000-04-12) the whole document ---	1-36
A	TELECOM LAB ITALIA: "JoeXpress, the new face of the business" TELECOM LAB ITALIA, 2002 - 2002, pages 1-4, XP002243960 www.telecomitalialab.com the whole document -----	1-36

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08604

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0133781	A	10-05-2001	FI 992401 A	06-05-2001
			FI 112427 B1	28-11-2003
			AU 1398501 A	14-05-2001
			AU 1399001 A	14-05-2001
			CN 1415151 T	30-04-2003
			CN 1415152 T	30-04-2003
			EP 1228610 A1	07-08-2002
			EP 1240754 A1	18-09-2002
			WO 0133781 A1	10-05-2001
			WO 0133782 A1	10-05-2001
			JP 2003513541 T	08-04-2003
			JP 2003517227 T	20-05-2003
WO 0249319	A	20-06-2002	AU 1633802 A	24-06-2002
			EP 1350377 A2	08-10-2003
			WO 0249319 A2	20-06-2002
WO 0175805	A	11-10-2001	IT T020000303 A1	01-10-2001
			CA 2375350 A1	11-10-2001
			EP 1203352 A1	08-05-2002
			WO 0175805 A1	11-10-2001
			JP 2003529861 T	07-10-2003
EP 0993197	A	12-04-2000	IT T0980842 A1	07-04-2000
			EP 0993197 A2	12-04-2000
			JP 3215823 B2	09-10-2001
			JP 2000113216 A	21-04-2000
			US 6665643 B1	16-12-2003